

ABSTRACT

A seat belt retractor (1) includes a take-up drum (2) with webbing (6) wound therearound, a torsion bar (4) coupled to a first end of the take-up drum (2) non-rotatably relative thereto, and a ratchet wheel (5) coupled to a second end of the torsion bar (4) non-rotatably relative thereto. The seat belt retractor (1) further includes a deformable member (7) provided on a second end of the take-up drum (2) for rotating integrally therewith, an internal tooth element (8) provided non-rotatably relative to the torsion bar (4), and planet gears (13) in mesh with a gear surface of the internal tooth element (8) and in engagement with the deformable member (7), the planet gears (13) being assembled non-rotatably relative to the torsion bar (4). The planet gears (13) revolve around the deformable member (7) while biting into the surface of the deformable member (7) to plastically deform the deformable member (7) when the webbing (6) is paid out to cause the sun element and the internal tooth element (8) to rotate relative to each other after an emergency locking member (19) is locked.